



Issue 34 November 8th, 2014

## Top links

### Largest sunspot region (so far) in Sunspot Cycle 24

Look at this huge sunspot, the largest yet of Sunspot Cycle 24. It is about the same diameter as Jupiter.

[amateurradio.com](http://amateurradio.com)

### AO-7's 40th Anniversary

AO-7 became the second AMSAT-NA constructed and Phase 2 amateur radio satellite launched into Low Earth Orbit. It remained operational until a short circuit in a battery in 1981.

[AMSAT](http://amsat.org)

### LED lighting latest RF offender

New Zealand's Radio Spectrum Management (RSM) has identified serious cases of interference to radio communications at log hauler sites in Marlborough from the operation of vehicle mounted LED lighting.

[Southgate](http://southgate.org)

### Japanese microsatellites launched, in orbit.

Signals have been received from both ChubuSat-1 and TSUBAME.

[AMSAT-UK](http://amsat-uk.org)

### Mysterious Russian space junk does maneuvers

What was first thought to be a piece of debris left over from the launch of three Russian military communication satellites has turned out to be a fourth satellite capable of maneuvers.

[Slashdot](http://slashdot.org)

### Portable 20m MFJ Mini Dipole project

I've constructed a portable mast to get the dipole about 12 feet off of the ground.

[N5WXW](http://N5WXW.com)

### Baofeng BF-888S HT reviewed

For its price, and subject to the limitations we've outlined, it's an acceptable radio. With only 16 channels and no easy way to change anything, you may think that it's pretty useless.

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## Archaic procedures inhibit amateur radio

In the US, an individual interested in obtaining a license to operate amateur radio is granted one in three days. In India, after taking the test, it takes anywhere from six months to a year!

[Southgate](#)

## GPS back-up: World War Two technology employed

Technology developed during World War Two is to be used as a back-up for GPS.

[BBC](#)

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## **Video**

### Antenna inspection by quadcopter

DJI Phantom (without gimbal) quadcopter and GoPro Hero camera.

[KA5BBL](#)

### PortableSDR in action

This video is a less technical overview of the PortableSDR. This is also the debut of the newly finished aluminum enclosure.

[PortableSDR](#)

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### A typical PSK-31 contact

Here's a video showing how the use of macros in the DM780 software really helps speed up the process of exchanging signal reports and information on PSK-31.

[The Radio Hobbyist](#)

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## **How to**

### Arduino frequency display for Kenwood TS-520S

This is PART 5 of the project "Arduino Frequency Display For a Kenwood TS-520S HF Ham Radio."

[toddfun.com](#)

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## **Finally...**

### Russian air ships use Morse Code

The Russians still use quite a lot of Morse and especially for these extended out of area missions. They send the same short 3 figure tactical messages back to their control in Russia using Morse and voice.

[The Aviationist](#)

[Amateur Radio Weekly](#) is curated by KK4HSX. Thank you for reading! 73!

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